

Patent Abstracts of Japan

PUBLICATION NUMBER : 09171881
PUBLICATION DATE : 30-06-97

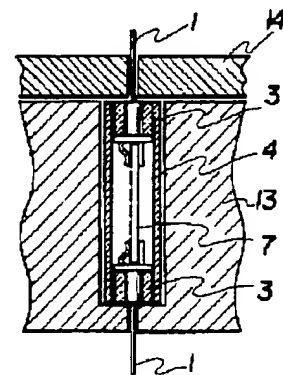
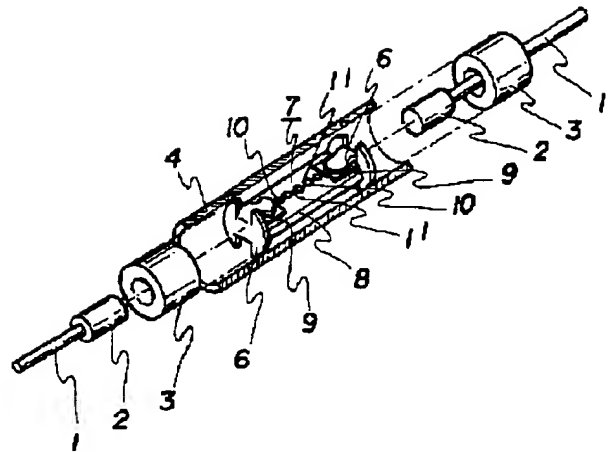
APPLICATION DATE : 21-12-95
APPLICATION NUMBER : 07333787

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INT.CL. : H01T 4/04 H01T 4/12 H01T 21/00

TITLE : GLASS TUBE INTERNALLY SEALED
ELEMENT AND ITS MANUFACTURE



ABSTRACT : PROBLEM TO BE SOLVED: To provide the internal space of a surge absorber having an area as designed, and exhibit the performance according to a specification by using a glass spacer having a wide contact area between a glass tube and a Dumet wire, and welding them together.

SOLUTION: A surge absorber element 7 is fitted to terminal electrodes 9 on both end parts by support metal fittings 6, and arranged near the center of a glass tube 4 center part. The support metal fittings 6 are connected to lead wires 1 of an external circuit through Dumet wires 2. A glass spacer 3 of the same material as the glass tube 4 is installed in the clearance between the Dumet wire 2 and the glass tube 4, whereby its circumference contacts the inner surface of the glass tube 4. After the thus-integration, the surge absorber is installed into a heating means carbon jig 13, a lid 14 is closed to fill an inert gas in the surge absorber, and a heating is performed for a prescribed time. Therefore, the glass spacer 3, the glass tube 4, and the Dumet wire 2 are fused together. Thus, the internal space of the surge absorber can be made into an area as designed to exhibit the performance according to a specification.

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